

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of
SAN et al.

Serial No. 10/781,864

Filed: February 20, 2004



Atty. Ref.: 1248-35

TC/A.U.: 2186

Examiner: W. Choi

For: EXTERNAL MEMORY SYSTEM HAVING PROGRAMMABLE
GRAPHICS PROCESSOR FOR USE IN A VIDEO GAME SYSTEM OR
THE LIKE

* * * * *

December 29, 2004

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

Listed on accompanying Forms PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith. It is further understood that the Examiner will consider information that had been cited by or submitted to the U.S. Patent and Trademark Office in a prior application relied on under 35 U.S.C. § 120. 1138 OG 37, 38 (May 19, 1992).

12/30/2004 NNGUYEN1 00000043 10781864
04 FC:1806
180.00 OP

Applicants have checked the appropriate boxes below.

1. This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No statement under 37 C.F.R. § 1.97(e) or fee is required. In the event, a first Office Action has been mailed prior to filing of the present Information Disclosure Statement, the Office is requested to treat the present paper as a submission under 37 C.F.R. § 1.97(c) and charge the undersigned's Deposit Account No. 14-1140 for the fee required by 37 C.F.R. § 1.17(p). The present paper is submitted in duplicate for this purpose.

2. This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.

a. I hereby state that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.

b. I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to my knowledge after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

c. Attached is our Check in the amount of \$180.00 in payment of the fee under 37 C.F.R. § 1.17(p).

3. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. It is hereby requested that the Information Disclosure Statement be considered. Attached is our Check No. in the amount of \$ in payment of the fee under 37 C.F.R. § 1.17(i).

- a. I hereby state that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).
 - b. I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to my knowledge after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).
4. Relevance of the non-English language document(s) is discussed in the present specification.
 5. The document(s) was/were cited in a corresponding foreign application. An English language version of the foreign search report is attached for the Examiner's information.
 6. A concise explanation of the relevance of the non-English language document(s) appears below:
 7. The Examiner's attention is directed to co-pending U.S. Patent Application Nos., which are directed to related technical subject matter. The Examiner is respectfully requested to consider the cited applications and the art cited therein during examination.
 8. Copies of the documents were cited by or submitted to the Office in Application No. , filed , which is relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and to indicate in the official file wrapper of this patent application that the documents have been considered.

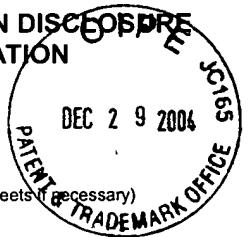
The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 14-1140 referencing docket number 1248-35.

Respectfully submitted,

NIXON & VANDERHYE P.C.

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(Use several sheets if necessary)

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APPLICANT

FILING DATE

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U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

							TRANSLATION		
DOCUMENT		DATE		COUNTRY		CLASS	SUBCLASS	YES	NO
	0114522	08/1984		EP					
	WO 90/13085	11/1990		JP (w/English Abstract)					XX
	0 402 067	12/1990		EP					
	0 431 724 A2	06/1991		EP					

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

	PC TECH JOURNAL, "Custom-Tailored Graphics:TMS 34010," by Ed McNierney, 7/87, pp. 68-74.
	T/I 99/4 Technical Manual 1980
	TI Command Module Instruction Manual, pp. 6-7, 1979
	TMS 320C25 DSP
	DSP56000/DSP56001 Digital Signal Processor User's Manual, Motorola, 1990
	Motorola MC56001 DSP

*Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

INFORMATION DISCLOSURE CITATION	ATTY. DOCKET NO.	SERIAL NO.
	<u>1248-35</u>	<u>10/781,864</u>
	APPLICANT	
	<u>SAN et al.</u>	
(Use several sheets if necessary)	FILING DATE	TC/A.U.
	<u>February 20, 2004</u>	<u>2186</u>

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

							TRANSLATION	
DOCUMENT		DATE	COUNTRY	CLASS	SUBCLASS	YES	NO	
	214588	10/1993	Taiwan (w/ English abstract)					
	270198	08/1993	Korea (w/ English abstract)					
	1080200A	01/1994	China (w/ English abstract)					
	654727	08/1993	Australia					
	226448	07/1994	Taiwan (w/ English abstract)					
	280939	08/1993	Korea (w/ English abstract)					
	1076378A	09/1993	China (w/ English abstract)					
	657147	08/1993	Australia					
	03-94389	04/1991	Japan (w/ English abstract)					
	03-222197	10/1991	Japan (w/ English abstract)					
	62-221239	09/1987	Japan				X	

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

*Examiner

Date Considered

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	<u>1248-35</u>	<u>10/781,864</u>
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U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

NEC Super Computer SX-3 Series, Description of the System Version 2, NEC, May 31, 1991, P. 217 (Figs. 7-4).

*Examiner

Date Considered